

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1022-4N1CS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6515
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL julie.jacobson@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-01191	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	
19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	10 FSL 2061 FEL	SWSE	4	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	918 FSL 2142 FWL	SESW	4	10.0 S	22.0 E	S
At Total Depth	918 FSL 2142 FWL	SESW	4	10.0 S	22.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 918	23. NUMBER OF ACRES IN DRILLING UNIT 1042
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 640	26. PROPOSED DEPTH MD: 10343 TVD: 10114
27. ELEVATION - GROUND LEVEL 5188	28. BOND NUMBER WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496


Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2450	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 10343	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	300	3.38	12.0
							50/50 Poz	1530	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Cara Mahler	TITLE Regulatory Analyst I	PHONE 720 929-6029
SIGNATURE	DATE 06/06/2013	EMAIL cara.mahler@anadarko.com
API NUMBER ASSIGNED 43047538660000	APPROVAL  Permit Manager	

**T10S, R22E,
S.L.B.&M.**

North 1/4 Cor. of Sec. 4:
Found 1977 Brass Cap,
Pile of Stones.

Found 1991
Aluminum Cap,
Pile of Stones.

Found 1991
Aluminum Cap,
Pile of Stones.

N0°09'W - 39.92 (G.L.O.)
N00°08'41"W - 2634.48' (Meas.)

N00°29'24"W - 5296.80' (Meas.)

N00°38'57"W (Basis of Bearings)
2642.86' (Measured)
N0°38'W - 40.05 (G.L.O.)

**WELL LOCATION:
NBU 1022-4N1CS**

ELEV. UNGRADED GROUND = 5189.4'

Bottom
of Hole

Well Surface
Position

Found 1991
Aluminum Cap,
Pile of Stones &
Steel Post.

N89°55'W - 40.06 (G.L.O.)
N89°55'12"W - 2643.32' (Meas.)

Found 1991
Aluminum Cap,
Pile of Stones.

S89°26'56"W - 2648.56' (Meas.)
S89°28'W - 40.13 (G.L.O.)

Found 1991
Aluminum Cap,
Pile of Stones.

N0°10'W - 40.09 (G.L.O.)
N00°09'22"W - 2646.11' (Meas.)

Found 1991
Aluminum Cap,
Pile of Stones.

S00°09'58"E
5274.55' (Meas.)

Found 1991
Aluminum Cap,
Pile of Stones.

20.045 (G.L.O.)
N00°04'27"W - 2645.94' (Meas.)
N0°03'W - 40.09 (G.L.O.)

NBU 1022-4N1CS (Surface Position)
NAD 83 LATITUDE = 39.970772° (39° 58' 14.779")
LONGITUDE = 109.442726° (109° 26' 33.812")
NAD 27 LATITUDE = 39.970806° (39° 58' 14.903")
LONGITUDE = 109.442043° (109° 26' 31.353")

NBU 1022-4N1CS (Bottom Hole)
NAD 83 LATITUDE = 39.973251° (39° 58' 23.702")
LONGITUDE = 109.446615° (109° 26' 47.814")
NAD 27 LATITUDE = 39.973285° (39° 58' 23.827")
LONGITUDE = 109.445932° (109° 26' 45.354")

South 1/4 Cor. of Sec. 9:
Found 1991 Aluminum
Cap, Pile of Stones.

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
G.L.O. distances are shown in feet or chains.
- 1 chain = 66 feet.
- The Bottom of hole bears N50°22'35"W 1415.87'
from the Surface Position.
- NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
- Bearings and Distances are based upon a Local Cartesian Grid,
oriented to Geodetic North at the North 1/4 Corner of Section 8,
T10S, R22E, S.L.B.&M. The Grid having a mean project height of
5300'. Lineal units used are U.S. Survey Foot.
- Basis of elevation is Tri-Sta "Two Water" located in Lot 4 of Section
1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on
the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

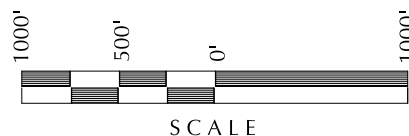
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD: NBU 1022-40

**NBU 1022-4N1CS
WELL PLAT**

**918' FSL, 2142' FWL (Bottom Hole)
SE ¼ SW ¼ OF SECTION 4, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.**

CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John R. Haugh
PROFESSIONAL LAND SURVEYOR
REGISTRATION NO. 6028691
STATE OF UTAH



TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 8-7-12	SURVEYED BY: J.W.	SHEET NO:
DATE DRAWN: 8-21-12	DRAWN BY: T.J.R.	2
SCALE: 1" = 1000'	Date Last Revised:	2 OF 19